

Date of Application, 13th Mar., 1888  
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A.D. 1888, 13th MARCH. N° 3896.

### COMPLETE SPECIFICATION.

#### Preservative Against Contagious Disease in the Lungs of Cattle.

LEOPOLD MANDL Director of the Spirit Refinery Co. of Budapest Muzeum Rörüt No. 10 Hungary do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement :—

- 5 My invention is a preservative against contagious disease in the lungs of Cattle and is composed of the following materials or ingredients in the following proportions, dissolved in 100 litres of very strong and highly rectified spirit *viz.* :
- |    |     |         |                       |
|----|-----|---------|-----------------------|
|    | 150 | Grammes | Carbonate of Ammonium |
|    | 150 | „       | Chloride of Ammonium  |
| 10 | 300 | „       | Chloride of Sodium    |
|    | 300 | „       | Liquid Tar            |
|    | 100 | „       | Cochineal             |
- 5 litres of decoction of Herba-Plantagenis mixed with 800 Grammes of the Spirit.
- 15 The composition is entirely new and also the application of it against contagious disease of the lungs.
- By the systematic application of this preservative, contagion is entirely impossible by Cattle as the germs of such contagious disease of the lungs of Cattle cannot be further developed, but are extirpated entirely.
- Of course according to the nature of Cattle and variety of the Sickness, other
- 20 remedies might be applied with occasional success, but the above described preservative will be found the most effective in all cases.
- My invention is a preservative which by the nature of the case must be applied internally, by introduction into the body of the animal.
- 25 The effect of my invention manifests itself in the fact that the lungs of Cattle which have been disinfected by the application of my preservative will never be inclined to the disease as the germs of the contagious disease in the lungs are entirely annihilated.
- The systematic application of my preservative is as follows for a full grown and well developed animal always on an empty stomach.

[Price 4d.]

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*Mandl's Preservative Against Contagious Disease in the Lungs of Cattle.*

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1. FOR WHOLLY SOUND CATTLE.

|                                  |             |
|----------------------------------|-------------|
| a.) in the first week daily      | 1 decilitre |
| b.) „ „ second „ every other day | 1 „         |
| c.) afterwards every week twice  | 1 „         |

2. FOR CATTLE WHICH ARE ALREADY AFFECTED IN THEIR LUNGS WITH THE GERMS  
OF THE CONTAGEOUS DESEASE. 5

|   |             |    |
|---|-------------|----|
| a.) in the first fortnight, twice daily | 1 decilitre |    |
| b.) the following fortnight once daily  | 1 „         |    |
| c.) the next week every other day       | 1 „         |    |
| d.) afterwards every week twice         | 1 „         | 10 |

Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed, I declare that what I claim is :

A new preservative against Contageous disease in the lungs of Cattle, which is fully described in the foregoing specification and which has been unknown and never patented yet to the best of my knowledge and which is composed of the following materials or ingredients dissolved in 100 litres of very strong and highly rectified spirit *viz.* : 15

|  |                       |    |
|--|-----------------------|----|
| 150 Grammes  | Carbonate of Ammonium |    |
| 150 „  | Chloride of Ammonium  | 20 |
| 300 „  | Chloride of Sodium    |    |
| 300 „  | Liquid Tar            |    |
| 100 „  | Cochineal             |    |
| 5 litres of decoction of Herba-Plantagenis mixed with 800 Grammes of the Spirit. |                       |    |

Dated this 13th day of March 1888. 25

EUGENE GOLONYA,  
73, Queen Victoria Street, E.C.,  
Agent for the Applicant.

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